

*Priority 8/6/1998***WEST****End of Result Set** [Generate Collection](#)

L6: Entry 1 of 1

File: USPT

Mar 17, 1998

US-PAT-NO: 5728562

DOCUMENT-IDENTIFIER: US 5728562 A

TITLE: Isolated recombinant uricase

DATE-ISSUED: March 17, 1998

INVENTOR-INFORMATION:

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US-CL-CURRENT: 435/191

CLAIMS:

What is claimed is:

1. An isolated uricase which is stable in an aqueous solution at a temperature up to 60.degree. C. and at a pH of 8.0 for 10 minutes, said isolated uricase having the amino acid sequence of SEQ ID NO: 2.
2. The isolated uricase according to claim 1, which has a residual activity of at least 90% at a pH of 8.0 in an aqueous solution and at a temperature of 60.degree. C. for 10 minutes.
3. The isolated uricase according to claim 1, which is produced from a microorganism transformed with an expression vector comprising a uricase gene of *Bacillus* sp. TB-90.
4. The isolated uricase according to claim 1, which (a) has a residual activity of at least 90% at a pH of 8.0 and at a temperature of 60.degree. C. for 10 minutes, and (b) which is produced from a microorganism transformed with an expression vector comprising a uricase gene of *Bacillus* sp. TB-90.
5. The isolated uricase according to claim 4, which has a molecular weight of about 35,000 Daltons.
6. The isolated uricase according to claim 3, wherein the microorganism is selected from the group consisting of *Escherichia coli* and *Bacillus subtilis*.
7. The isolated uricase according to claim 3, wherein the expression vector is

selected from the group consisting of pUOD316, pKU1 and pEB2.

WEST Search History

DATE: Monday, June 09, 2003

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
L6	isolated uricase.clm.	1	L6
L5	uricase and dna.clm.	65	L5
L4	uricase.clm.	163	L4
<i>DB=USPT,PGPB; PLUR=YES; OP=ADJ</i>			
L3	uricase.clm.	208	L3
L2	6576235	0	L2
<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
L1	6576235	0	L1

END OF SEARCH HISTORY